Sargent Drilling

INDUSTRIAL ENGINEERING

COMPLETE MUNICIPAL, INDUSTRIAL AND AGRICULTURAL
PUMP AND WELL SERVICE

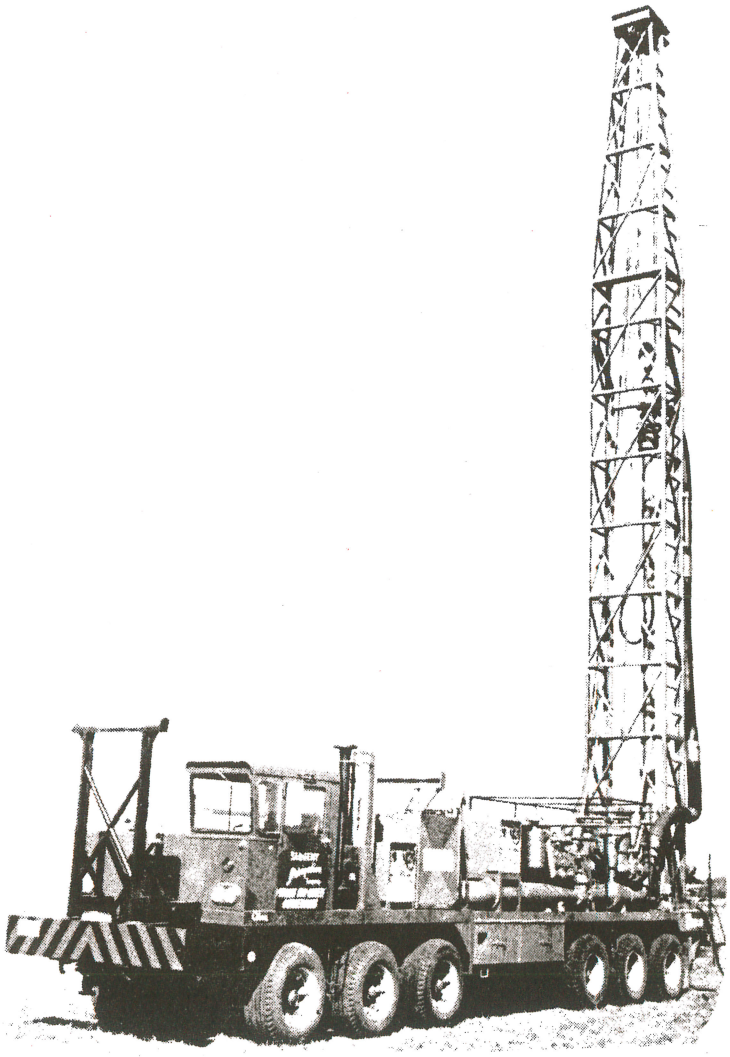
P.O. Box 634
2016 Industrial Park Road
Carroll, IA 51401

Phone: (712) 792-2469
Toll Free: (888) 496-3902
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December 5, 2016

We are resubmitting the Well Record Form for Wall Lake. There was an error on the casing depth.

Sincerely,
Derek



Iowa Department of Natural Resources

WELL RECORD FORM

Geological and Water Survey

PWTS No. *or* PWS No. _____ | PWTS Permit No. _____ | GEOSAM Well No. *(DNR use only)* _____

Site Identification

Property owner City of Wall Lake Other ID _____

Address 108 Boyer Street City Wall Lake

Tenant _____

Well depth 56 ft Date completed 6 / 24 / 2014

Location

County Sac

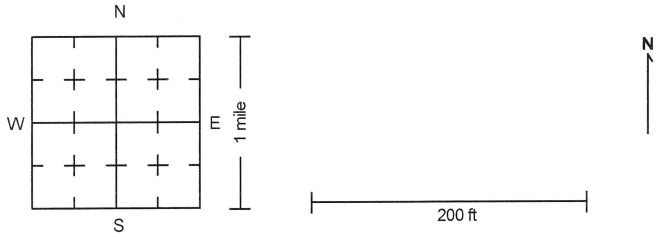
GPS coordinates (NAD83 datum)

42.2676670 Latitude 95.0910830 Longitude

☑ Decimal Degrees ☐ Degrees, Decimal Minutes ☐ Degrees, Minutes, Seconds

NE 1/4 of the NE 1/4 of the NE 1/4 of Sec 13 TWP 86 RNG 37 E W

Show exact location of well in section grid with a dot (•). Sketch map of well location on property.



Formation Log

From	To	Color	Hardness	Formation description
0	7	brown	loose	Top soil and clay
7	20	tan	loose	Gravel with cobbles
20	40	tan	loose	Gravel, coarse sand, hard layers
40	55	tan	loose	Gravel and coarse sand
55	60	gray	dense	Clay
				(use additional sheets as needed)

Remarks (including depth of lost drilling fluids, materials, or tools)

Well Use

☐ Domestic ☑ Public supply ☐ Livestock

☐ Heat pump ☐ Commercial ☐ Irrigation

# of borehole(s) ____ ☐ Monitoring ☐ Other _____

Drill Method

☑ Rotary ☐ Auger ☐ Cable ☐ Other _____

Hole size

24 inch from 0 ft to 56 ft

____ inch from ____ ft to ____ ft

hole size continued

____ inch from ____ ft to ____ ft

____ inch from ____ ft to ____ ft

Casing or Loop Pipe

Record all depth measurements from ground level (GL). Use + for above GL measurements.

Size (in)	Material	Depth Top	Depth Bottom	Perforated	Slotted	Screen
10	Certa-Lok	0	41	☐	☐	☐ slot size _____
10	Stainless V-wire	41	56	☐	☑	☑ slot size .100
				☐	☐	☐ slot size _____
				☐	☐	☐ slot size _____
				☐	☐	☐ slot size _____

Casing Grout

Placement method _____

Type	Depth top	Depth bottom
Concrete Grout	0	41
Bentonite Seal	25	33
☑ Gravel packed variety _____	33	56
☐ Seals/packers		

Pump Installation

Date ____/____/____

Type of pump _____ Depth to intake _____ ft

Pump diameter _____ in Rated capacity _____ GPM

Water Information

Date ____/____/____

Use + for above GL measurements.

Static Water Level	Pumping Water Level	Yield	Duration
____ ft	____ ft	____ GPM	____ hrs

Water level measurement: ☐ Sonic ☐ Tape ☐ Airline ☐ E-line ☐ Estimate

Water yield measurement: ☐ Orifice ☐ Volumetric ☐ Estimate

Main water-supply zone from _____ ft to _____ ft below GL

Well Development

☐ Physical explain: _____

☐ Chemical explain: _____

Contractor

Company Charles Sargent Irrigation Company, Inc.

Address 2016 Industrial Park Road, Carroll, IA 51401

Driller Derek Schweitzer Certification no. 8338

Revision Date: 10/2011

Send form to **Iowa Department of Natural Resources – Geological and Water Survey**
109 Trowbridge Hall, Iowa City, IA 52242-1319 PH 319-335-1575 FAX 319-335-2754

Make photocopies for:
well contractor, customer, and county health department